

Medical Device Cluster Breakdown of Needs & Contributions by Sector

Christian Bartley

Needs by Sector	Contributions by Sector		
Private Sector	Private Sector	Academia	Government
Technical Expertise	Joint ventures / alliances	Graduates, co-ops, interns, networks of other universities & private sector contacts	
R&D Funding	Joint ventures / alliances	Grants are most often given to NFP's, which eduactaional institutions are. Additionally, direct gifts & endowments. Fund-raising.	Federal grant monies - SBIR / STTR, NSF, NIH, DOD, DARPA, NASA, etc. State sources?
Commercialization of R&D results	Joint ventures / alliances / licensing agreements	Academia sponsored business & technology incubators	State sponsored business & technology incubators.
Business creation assistance	B2B service firms	Academia sponsored business & technology incubators	State sponsored business & technology incubators. Fed / State DOC's, SBA, SCORE, etc.
Regulatory approval assistance / simplification	Training courses by specialty organizations such as MMAC	Training / courses specilizing in regulatory procedures	FDA. Other sources???
Production / manufacturing solutions	Innovative / specialty manufacturers	Schools of engineering	
Skilled labor	Existing labor pool	Professors, graduate students, networks of other universities & private sector contacts	Online job board sponsore by state.
Distribution networks	Sales channels	Research / training institutions	Fed / State DOC's
Academia	Private Sector	Academia	Government
High caliber researchers	Higher revenue potential helps to attract & keep high caliber scientists & engineers	Shared resources	Online job board sponsored by state.
Cutting edge research	See above. Revenue potential spurs innovation.	Collaborative projects	
Grant money	Academia-private sector partnerships are often		
•	necessary for access to federal monies.	Collaborative projects / joint applications	Federal grant monies - SBIR / STTR, NSF, NIH, DOD, DARPA, NASA, etc. State sources?
Publication	necessary for access to federal monies. Academia-private sector partnerships provide	Collaborative projects / joint applications Collaborative projects	1
Publication Research facilities	necessary for access to federal monies. Academia-private sector partnerships provide opportunity for publication topics beyond existing	. , , ,	1

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Government	Private Sector	Academia	Government
I Strong ion pase	Establish offices, manufacturing & distribution (i.e. employment)	Academic institutions provide both jobs & pool of labor.	Strong communication & collaboration among branches / deparments / divisions - i.e. Executive & Legislative / DOC & Dept. of Ed. / Int'l Division & DWD. Also, state will need to address the issue of brain-drain. How can WI keep the talent it's academic institutions are producing? The more good companies locate in WI, the more graduates will want to stay, and the more students will want to attend WI based schools to eventually secure jobs within those companies.
I Strong tax pase	Establish offices, manufacturing & distribution (i.e. employment / property / revenue / sales)		Strong communication & collaboration among branches / departments / divisions - i.e. Executive & Legislative / DOC & Dept. of Ed. / Int'l Division & DWD
Attractive state to sell	Industry clusters tend to attract.	Academic institutions can be a positive attribute when companies are looking at different geographic regions to set-up facilities.	Strong communication & collaboration among branches / departments / divisions - i.e. Executive & Legislative / DOC & Dept. of Ed. / Int'l Division & DWD
Rusiness to set-un offices in state	Establish offices, manufacturing & distribution (i.e. employment / property / revenue / sales)	Academic institutions can be a positive attribute when companies are looking at different geographic regions to set-up facilities.	Strong communication & collaboration among branches / departments / divisions - i.e. Executive & Legislative / DOC & Dept. of Ed. / Int'l Division & DWD